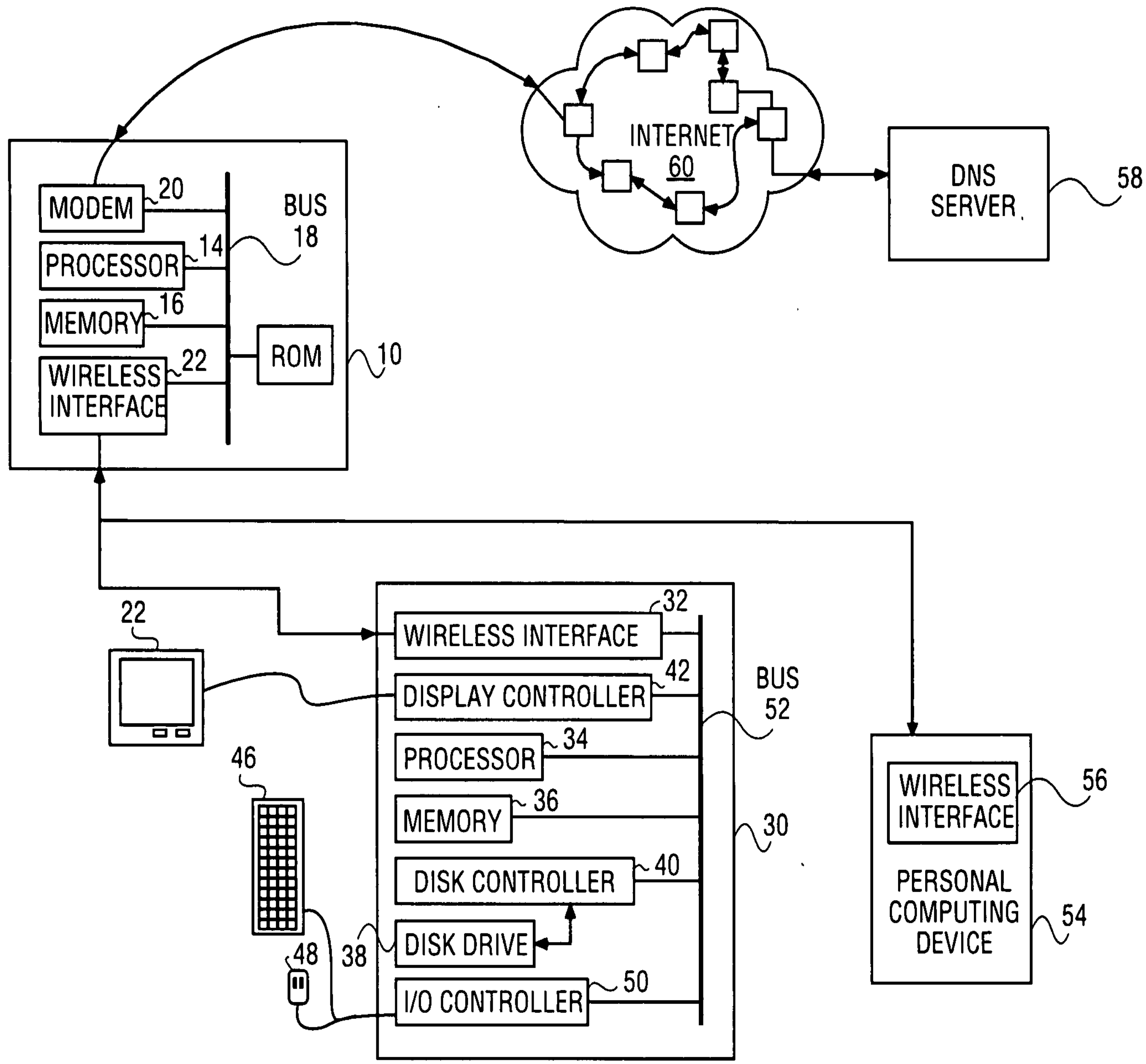
MODEM
20
PROCESSOR
14
MEMORY
16
WIRELESS INTERFACE
22
BUS
18
ROM
10
INTERNET
60
DNS SERVER
58
22
WIRELESS INTERFACE
32
DISPLAY CONTROLLER
42
PROCESSOR
34
MEMORY
36
DISK CONTROLLER
40
DISK DRIVE
38
I/O CONTROLLER
50
BUS
52
30
46
48
WIRELESS INTERFACE
56
PERSONAL COMPUTING DEVICE
54

FIG. 1

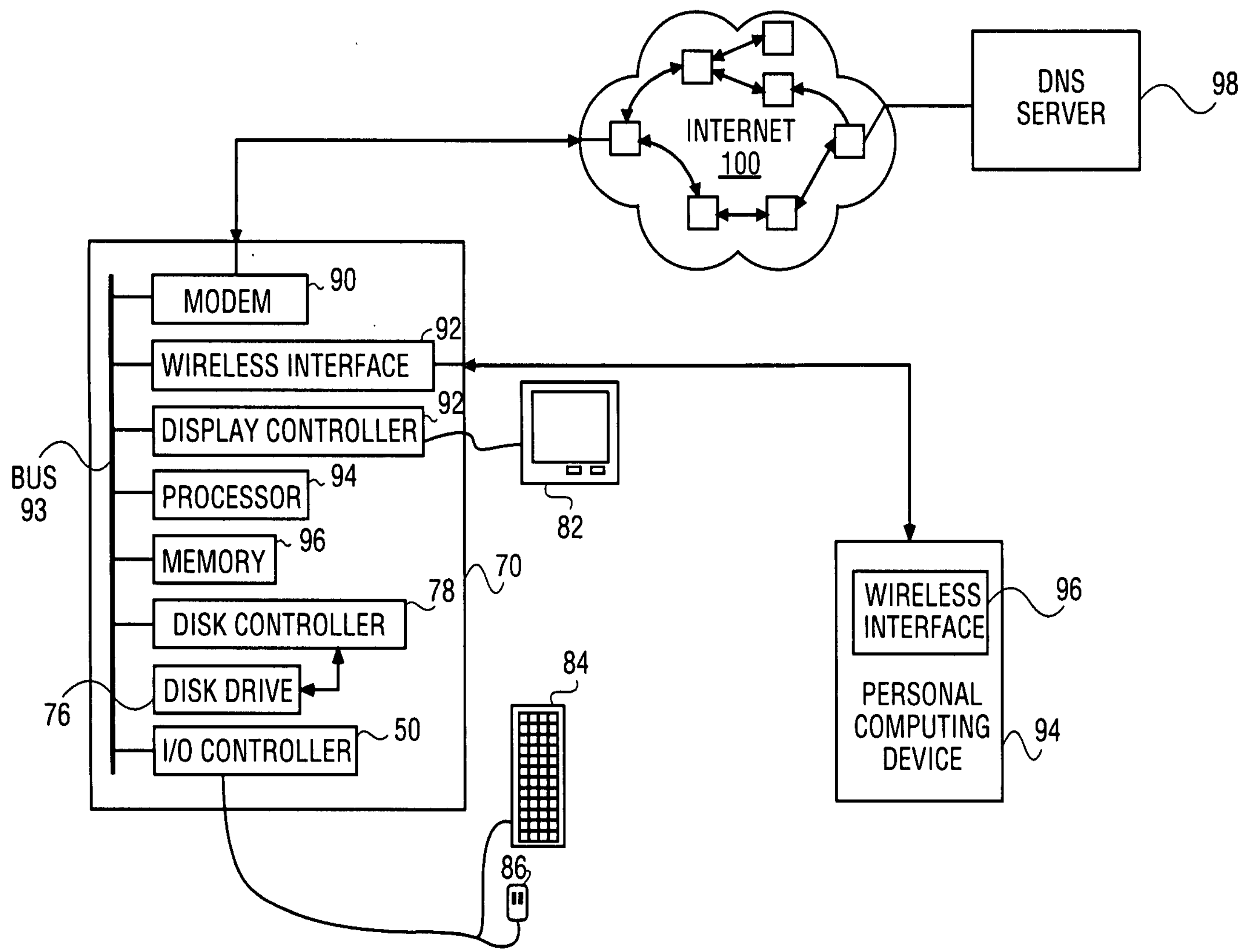
DNS
SERVER
98
INTERNET
100
MODEM
90
WIRELESS INTERFACE
92
DISPLAY CONTROLLER
92
PROCESSOR
94
MEMORY
96
DISK CONTROLLER
78
DISK DRIVE
76
I/O CONTROLLER
50
BUS
93
70
82
84
86
WIRELESS
INTERFACE
96
PERSONAL
COMPUTING
DEVICE
94

FIG. 2

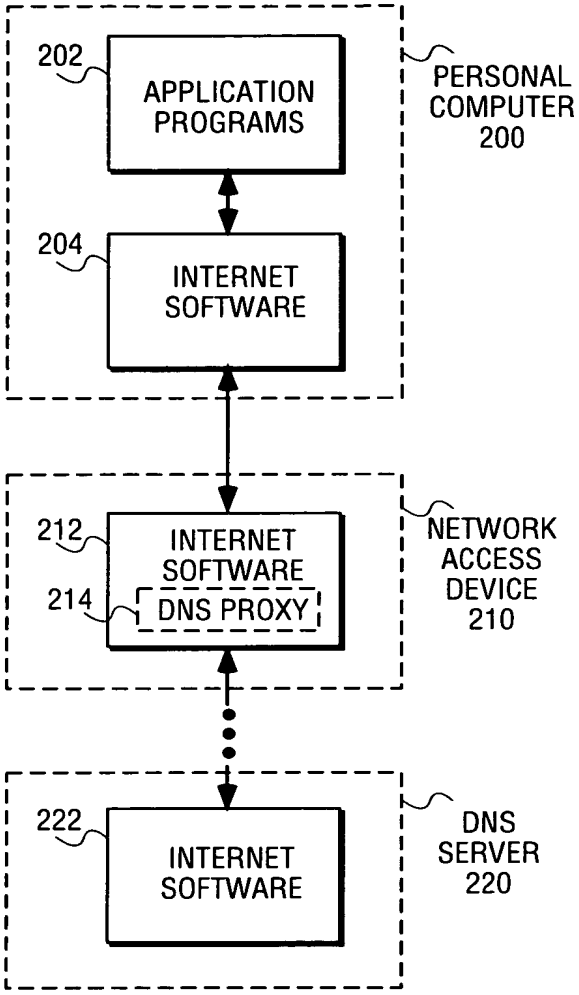
202
APPLICATION PROGRAMS
PERSONAL COMPUTER 200
204
INTERNET SOFTWARE
212
INTERNET SOFTWARE
214
DNS PROXY
NETWORK ACCESS DEVICE 210
222
INTERNET SOFTWARE
DNS SERVER 220

FIG. 3

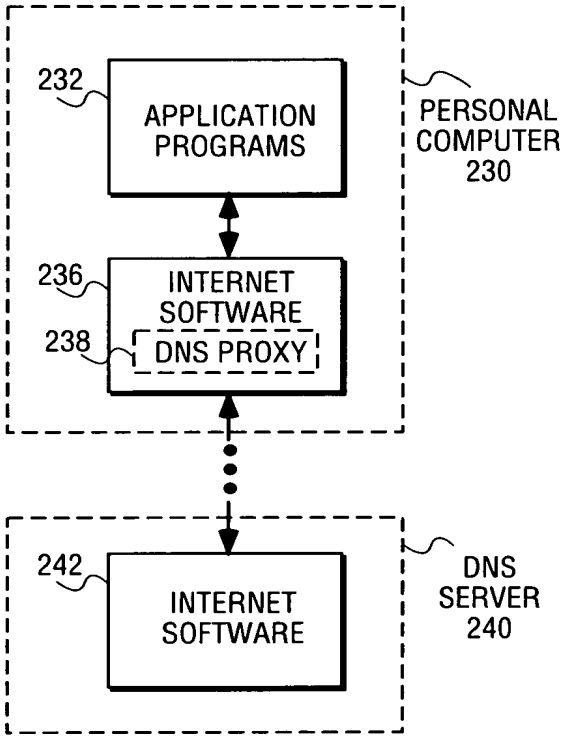
232
APPLICATION PROGRAMS
PERSONAL COMPUTER 230
236
INTERNET SOFTWARE
238
DNS PROXY
242
INTERNET SOFTWARE
DNS SERVER 240

FIG. 4

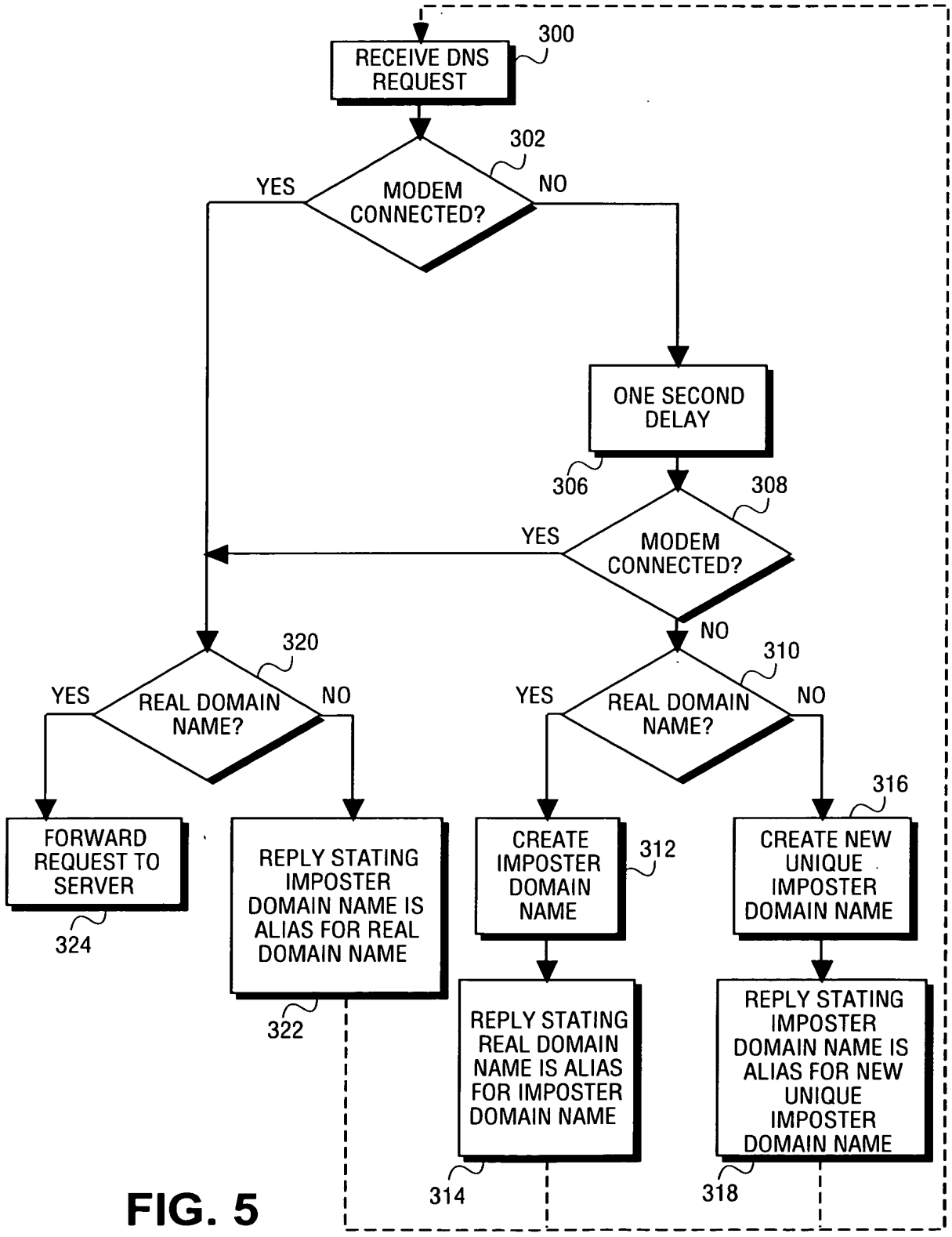
RECEIVE DNS REQUEST
300
MODEM CONNECTED?
302
YES
NO
ONE SECOND DELAY
306
MODEM CONNECTED?
308
YES
NO
REAL DOMAIN NAME?
320
YES
NO
FORWARD REQUEST TO SERVER
324
REPLY STATING IMPOSTER DOMAIN NAME IS ALIAS FOR REAL DOMAIN NAME
322
REAL DOMAIN NAME?
310
YES
NO
CREATE IMPOSTER DOMAIN NAME
312
REPLY STATING REAL DOMAIN NAME IS ALIAS FOR IMPOSTER DOMAIN NAME
314
CREATE NEW UNIQUE IMPOSTER DOMAIN NAME
316
REPLY STATING IMPOSTER DOMAIN NAME IS ALIAS FOR NEW UNIQUE IMPOSTER DOMAIN NAME
318

FIG. 5

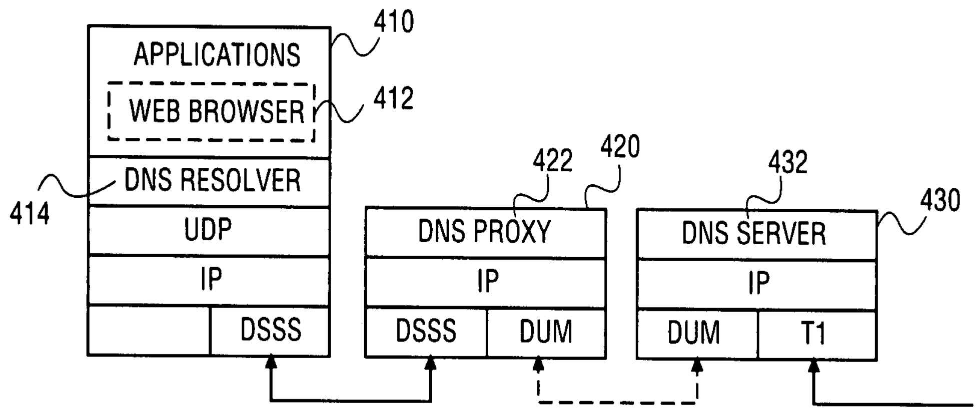
APPLICATIONS
WEB BROWSER
DNS RESOLVER
UDP
IP
DSSS
DNS PROXY
IP
DSSS
DUM
DNS SERVER
IP
DUM
T1
410
412
414
420
422
430
432

FIG. 6

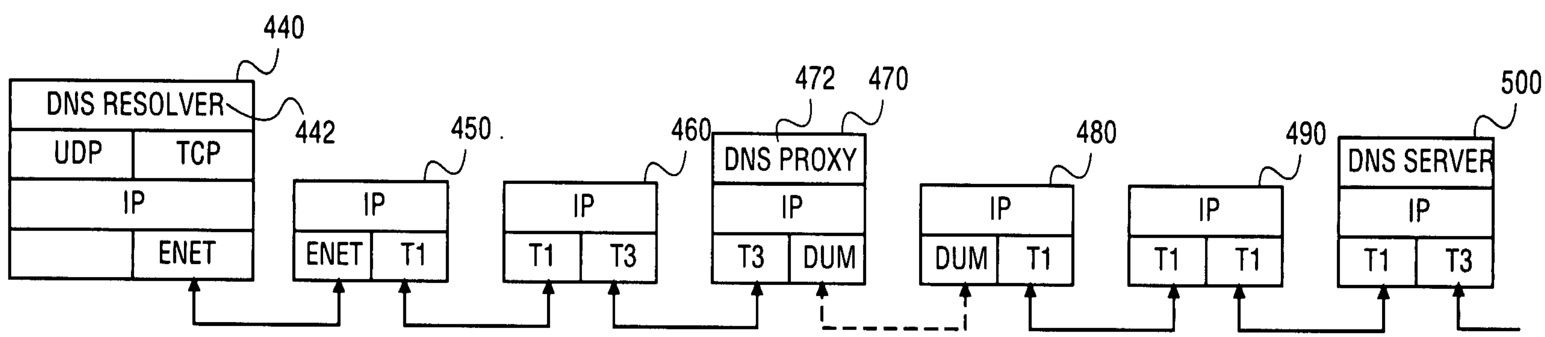
DNS RESOLVER
UDP
TCP
IP
ENET
IP
ENET
T1
IP
T1
T3
DNS PROXY
IP
T3
DUM
IP
DUM
T1
IP
T1
T1
DNS SERVER
IP
T1
T3
440
442
450
460
470
472
480
490
500

FIG. 7